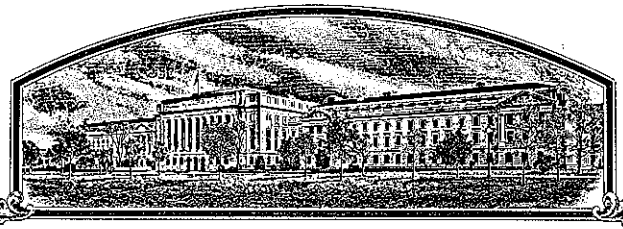

No. 8200095

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Northrup King Co.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COMMON WHEAT

'Klasic'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of* Washington *this* 19th *day of* August *in the year of our Lord one thousand nine hundred and* eighty-two.

Attest:

Kenneth H. Evans

Acting Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

John R Block

Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

FORM APPROVED
OMB NO. 40-R3822

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAME	FOR OFFICIAL USE ONLY	
77S 1817	Klasic	PV NUMBER 8200095	
2. KIND NAME: Wheat, Common	3. GENUS AND SPECIES NAME: Triticum aestivum	FILING DATE: 4/5/82	TIME: 12:05 ~~A.M.~~ P.M.
4. FAMILY NAME (BOTANICAL): Gramineae	5. DATE OF DETERMINATION: October, 1978	FEE RECEIVED: $ 500.00 / $ 250.00	DATE: 4/5/82 / 7/16/82

6. NAME OF APPLICANT(S)	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*	8. TELEPHONE AREA CODE AND NUMBER
Northrup King Co.	1500 Jackson St. N.E. P. O. Box 959 Minneapolis, MN 55440	612-781-5305

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)*	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION	11. DATE OF INCORPORATION
Corporation	Delaware	1896

12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS:

Dr. Robert W. Romig
(address as above)

13. **CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:**

- [X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [X] 13B. Exhibit B, Novelty Statement.
- [X] 13C. Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*
- [X] 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [ ] YES [X] NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? [ ] YES [ ] NO

14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? [ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

CA 4/20/82

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? [X] YES [ ] NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

4/1/82
(DATE)

Robert W. Romig
(SIGNATURE OF APPLICANT)
Robert W. Romig

(DATE)

(SIGNATURE OF APPLICANT)

FORM GR-470 (1-78)

8200095

Exhibit A

Origin and Breeding History of Klasic Wheat

"Klasic" is the result of hybridization and individual plant selection from the cross Klein Rendidor/2* Sonora//Inia/3/Ciano/4/Yecora. Our pedigree is N3214-6A-1M-1A-OF. The experimental designation was 77S 1817.

We made the cross in the greenhouse at Eden Prairie, Minnesota, in the spring of 1972. The F_1 was grown in the field at Eden Prairie during the 1972 season. This was followed by individual plant selections in alternating generations between Yuma, Arizona, and Moorhead, Minnesota, during the F_2 to F_5. The F_5 plant progeny row at Moorhead was harvested in bulk to provide seed for preliminary trials in 1975.

Klasic was yield tested in replicated trials in 1976 and 1977. From a 1976 replicated test plot, six head selections were made. In 1976-77, six F_8 head-row lines were grown at Yuma and increased later in 1977 in southern California as pure lines (F_9). Four lines were yield tested at Yuma in 1977-78 while each were again increased as pure lines at Yuma in 1977-78 (F_{10}).

In the fall of 1978, one head-row line, 78ASH 30018, was selected to represent the variety. This head-row line was increased at Yuma in 1978-79. Klasic is then an F_8 head-row derived line. Breeders seed in 1980 is in the F_{12} generation of selfing.

The variety is uniform and stable, except that false black chaff symptoms may be expressed under certain temperature and light conditions. Foundation, registered, and certified seed of Klasic have been grown in Arizona and California.

Exhibit B

Novelty Statement for Klasic Wheat

Klasic is most similar to "Probred" and "771" but differs from both Probred and 771 in seed color. Klasic has white kernels; whereas the kernel color for Probred and 771 is red.

FORM APPROVED: OMB NO. 40-R3822

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
WHEAT (*TRITICUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
Northrup King Co.

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*
1500 Jackson St. N. E.
Minneapolis MN 55413

FOR OFFICIAL USE ONLY

PVPO NUMBER 8200095

VARIETY NAME OR TEMPORARY DESIGNATION
Klasic

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. KIND:
[1] 1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 = POULARD 7 = CLUB

2. TYPE:
[1] 1 = SPRING 2 = WINTER 3 = OTHER *(Specify)* _____ [2] 1 = SOFT 2 = HARD 3 = OTHER *(Specify)* _____

[1] 1 = WHITE 2 = RED 3 = OTHER *(Specify)* _____

3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:
[ ][ ][ ] FIRST FLOWERING [ ][ ][ ] LAST FLOWERING

4. MATURITY *(50% Flowering)*:
[1][0] NO. OF DAYS *EARLIER* THAN ..... [8] 1 = ARTHUR 2 = SCOUT 3 = CHRIS
[ ][ ] NO. OF DAYS *LATER* THAN ..... [ ] 4 = LEMHI 5 = NUGAINES 6 = LEEDS
7 = Probred 8 = Anza

5. PLANT HEIGHT *(From soil level to top of head)*:
[0][8][1] CM. HIGH
[ ][0] CM. TALLER THAN ..... [7]
[1][0] CM. SHORTER THAN ..... [8] 1 = ARTHUR 2 = SCOUT 3 = CHRIS **7=Probred** 4 = LEMHI 5 = NUGAINES 6 = LEEDS **8=Anza**

6. PLANT COLOR AT BOOTING *(See reverse)*:
[1] 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN

7. ANTHER COLOR:
[1] 1 = YELLOW 2 = PURPLE

8. STEM:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom: 1 = ABSENT 2 = PRESENT
[2] Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT
[1] Internodes: 1 = HOLLOW 2 = SOLID
[0][3] NO. OF NODES *(Originating from node above ground)*
[ ][ ] CM. INTERNODE LENGTH BETWEEN FLAG LEAF AND LEAF BELOW

9. AURICLES:
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT
[1] Hairiness: 1 = ABSENT 2 = PRESENT

10. LEAF:
[2] Flag leaf at booting stage: 1 = ERECT 2 = RECURVED 3 = OTHER *(Specify)*: _____
[2] Flag leaf: 1 = NOT TWISTED 2 = TWISTED
[ ] Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT
[2] Waxy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
[1][9] MM. LEAF WIDTH *(First leaf below flag leaf)*
[2][9] CM. LEAF LENGTH *(First leaf below flag leaf)*:

8200095

11. HEAD:

[1] Density: 1 = LAX 2 = DENSE

[1] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER *(Specify)* _____

[4] Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

[1] Color at maturity: 1 = WHITE 2 = YELLOW 3 = PINK 4 = RED 5 = BROWN 6 = BLACK 7 = OTHER *(Specify)*: _____

[1][3] CM. LENGTH

[1][1] MM. WIDTH

12. GLUMES AT MATURITY:

[3] Length: 1 = SHORT *(CA. 7 mm.)* 2 = MEDIUM *(CA. 8 mm.)* 3 = LONG *(CA. 9 mm.)*

[2] Width: 1 = NARROW *(CA. 3 mm.)* 2 = MEDIUM *(CA. 3.5 mm.)* 3 = WIDE *(CA. 4 mm.)*

[3] Shoulder shape: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

[3] Beak: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

13. COLEOPTILE COLOR:

[1] 1 = WHITE 2 = RED 3 = PURPLE

14. SEEDLING ANTHOCYANIN:

[1] 1 = ABSENT 2 = PRESENT

15. JUVENILE PLANT GROWTH HABIT:

[3] 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT

16. SEED:

[1] Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL

[1] Cheek: 1 = ROUNDED 2 = ANGULAR

[1] Brush: 1 = SHORT 2 = MEDIUM 3 = LONG

[1] Brush: 1 = NOT COLLARED 2 = COLLARED

[4] Phenol reaction *(See instructions)*: 1 = IVORY 2 = FAWN 3 = LT. BROWN 4 = BROWN 5 = BLACK

[1] Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = OTHER *(Specify)* _____

[0][7] MM. LENGTH

[0][3] MM. WIDTH

[4][8] GM. PER 1000 SEEDS

17. SEED CREASE:

[2] Width: 1 = 60% OR LESS OF KERNEL 'WINOKA' 2 = 80% OR LESS OF KERNEL 'CHRIS' 3 = NEARLY AS WIDE AS KERNEL 'LEMHI'

[2] Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT' 2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'

18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[2] STEM RUST *(Races)* TNMH

[2] LEAF RUST *(Races)* KGB, CBC

[0] STRIPE RUST *(Races)* _____

[1] LOOSE SMUT

[0] POWDERY MILDEW RTQQ, RKQS

[0] BUNT

[ ] OTHER *(Specify)* _____

19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] SAWFLY

[0] APHID *(Bydv.)*

[0] GREEN BUG

[0] CEREAL LEAF BEETLE

[ ] OTHER *(Specify)* _____

HESSIAN FLY RACES: [ ] GP [ ] A [ ] B [ ] C [ ] D [ ] E [X] F [ ] G

20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	Probred	Seed size	Probred
Leaf size	Probred	Seed shape	Probred
Leaf color	Probred	Coleoptile elongation	Probred
Leaf carriage	Probred	Seedling pigmentation	Probred

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. *(See attachment.)*

LEAF COLOR: Nickerson's or any recognized color fan should be used to determine the leaf color of the described variety.

Exhibit D

Additional Description of Klasic Wheat

Klasic is a cultivar of Triticum aestivum L. with spring growth habit. The kernels are hard, white, and ovate in shape. Cheeks are rounded. The crease is narrow to midwide and middeep. Germs are midsized and the brush is small and short. Spikes are awned, fusiform, and lax to middense. Glumes are white, glabrous, long, and midwide. Glume shoulders are rounded to square in sahpe and midwide. Beaks are midwide, accuminate, and 6-15 mm long.

This variety is a semidrarf wheat with height comparable to Probred. Heading dates for Klasic have been on the average of five days earlier than Probred at Yuma, Arizona, and equal to Probred at Woodland, California. Relative maturity is early. Klasic is moderately resistant to some races of stem rust (Puccina graminis f. sp. tritici) and resistant in the seedling stage to leaf rust (P. recondita) races KGB and CBC.

Stem Rust Race	Seedling Reaction
TNMH	2, 2+
TNMK	3, 2
RHRS	S
QSHS	S
RTQQ	2
RKQS	2

Leaf Rust Race	Seedling Reaction
KGB	0;
CBC	0;

The coleoptile color is white and seedling anthocyanin is absent. Juvenile plant growth is erect. Plant color at booting is green. Yellow - 4/20/82 Waxy bloom is present on the stem and flag leaf sheath. Auricles are not hairy and have no anthocyanin. The stem is hollow and has no anthocyanin. Usually, three to four nodes originate from the node above ground. The flag leaf is recurved at boot stage and often twisted. Another color is yellow.

Overall quality for bread is slightly better than Probred. Absorption and mix time are very similar to Probred.

Under certain environmental conditions, black chaff may appear on the glumes of Klasic. This black chaff is probably due to pseudo black chaff which is the natural development of melanin pigments in some genetic mateirals with stem rust resistance when grown under certain conditions of temperature and light intensity.

EXHIBIT D

Table 1. Test weights of Klasic in comparison to checks grown in replicated small plot trials at Yuma, Arizona and Woodland, California in 1976-80.

Location and Year	Klasic kg/hl	Probred kg/hl	Anza kg/hl	Difference From Probred kg/hl	Difference From Anza kg/hl
Yuma					
1976 Exp. 28	82.8	81.5	81.1	+1.3	+1.7
1977 Exp. 18	81.9	80.3	82.6	+1.6	-0.7
1978 Exp. 14	81.7	79.3	81.6	+2.4	+0.1
1979 Exp. 38	79.7	78.8	78.4	+0.9	+0.4
1980 Exp. 46	81.4	78.6	81.6	+2.8	-0.2
Average	81.5	79.7	81.1	+1.8	+0.3
Woodland					
1976 Exp. 28	82.5	82.4	83.3	+0.1	-0.8
1977 Exp. 18	81.7	81.7	83.0	0.0	-1.3
1978 Exp. 14	79.9	79.0	80.4	+0.9	-0.5
1980 Exp. 46	81.1	79.8	81.1	+1.3	0.0
Average	81.3	80.7	82.0	+0.6	-0.7
Average (9 loc-yr)	81.4	80.2	81.5	+1.2	-0.1

Lb/Bu = kg/hl x 0.78

8200095

EXHIBIT D

Table 2. Plant height of Klasic in comparison to checks grown in replicated small plot trials in Yuma, Arizona and Woodland, California in 1976-80.

Location and Year	Klasic cm	Probred cm	Anza cm	Difference From Probred cm	Difference From Anza cm
Yuma					
1976 Exp. 28	84	72	86	+12	-12
1977 Exp. 18	90	90	99	0	-9
1978 Exp. 14	60	66	78	- 6	-18
1979 Exp. 38	93	93	105	0	-12
1980 Exp. 46	85	82	92	+ 3	- 7
Average	82	81	94	+1.8	-11.6
Woodland					
1976 Exp. 28	90	95	103	- 5	-13
1977 Exp. 18	70	74	76	- 4	- 6
1978 Exp. 38	84	84	86	0	- 2
1980 Exp. 46	74	73	90	- 1	-16
Average	80	82	89	-2.5	-9.3
Average (9 Loc-Yr)	81.1	81.0	91.7	-0.1	-10.6

8200095

EXHIBIT D

Table 3. Date of heading of Klasic in comparison to checks grown in replicated small plot trials at Yuma, Arizona and Woodland, California in 1976-80.

Location and Year	Days from Jan. 1			Difference From	
	Klasic	Probred	Anza	Probred Days	Anza Days
Yuma					
1976 Exp. 28	72	75	81	-3	-9
1977 Exp. 18	74	81	83	-7	-9
1978 Exp. 14	74	79	87	-5	-13
1979 Exp. 38	85	89	95	-4	-10
1980 Exp. 46	65	72	80	-7	-15
Average	74	79	85	-5.2	-11.2
Woodland					
1976 Exp. 28	103	95	111	+8	-8
1977 Exp. 18	105	106	109	-1	-4
1978 Exp. 14	76	84	92	-8	-16
1980 Exp. 46	95	96	104	-1	-9
Average	95	95	104	-0.5	-9.3
Average (9 Loc-Yr)	83.2	86.3	93.6	-3.1	-10.4

Date 85 = March 26

EXHIBIT D

Table 4. Relative maturity of Klasic in comparison to checks grown in replicated small plot trials at Yuma, Arizona and Woodland, California in 1976-80. 1/

Location and Year	Klasic	Probred	Anza	Difference From Probred	Difference From Anza
Yuma					
1976 Exp. 28	4	3	6	+1	-2
1977 Exp. 18	5	7	7	-2	-2
1979 Exp. 38	4	3	7	+1	-3
1980 Exp. 46	1	2	8	-1	-7
Average	4	4	7	-0.3	-3.5
Woodland					
1976 Exp. 28	4	2	8	+2	-4
1977 Exp. 18	6	3	7	+3	-1
1978 Exp. 14	2	2	4	0	-2
1980 Exp. 46	3	3	5	0	-2
Average	4	3	6	+1.3	-2.3
Average (8 Loc-Yr)	3.6	3.1	6.5	+0.5	-2.9

1/ Scale of 1-9 with 1 = earliest and 9 = latest.

EXHIBIT D

Table 5. Quality characteristics of Klasic and Probred at Yuma Arizona in 1977-1979.

Characteristics	1977		1978		1979	
	Klasic	Probred	Klasic	Probred	Klasic	Probred
Wheat Protein	11.9	13.2	14.0	13.8	12.3	11.8
Milling Ext. %	68.0 G-	71.0 G	75.6 VG-	72.0 G	73.9 G	71.8 G
Farinograph						
Absorption	61.0	61.0	64.7	63.4	59.0	61.0
Peak	5.8	8.5	8.5	8.0	11.5	7.5
Stability	9.5	14.5	15.0	13.0	18.5	14.0
MTI	35	15	25	25	30	30
Valorimeter	64	73	74	70	82	70
Flour						
Ash	.39	.46	.40	.40	.35	.38
Protein	10.7	12.2	13.0	12.8	11.3	10.8
Bake						
Absorption	64.5 G	63.5 G	66.5 VG-	66.5 VG-	62.5 G-	64.0 G
Mix	3.2 G-	4.0 G	3.5 G	3.8 G	5.5 G-	4.3 G
Dough	4 G	5 G-	6 G	5 G-	5 G-	6 G
Loaf Vol. cc	850 G	900 G-	1000 VG	910 G-	875 G-	945 G
Score	19 F-	26 G-	30 G-	24 F+	25 G-	28 G-
Overall Score	45 F	55 G-	63 G	55 G-	54 G-	58 G-

8200095

EXHIBIT D

Table 6. Quality characteristics of Klasic and Probred at Woodland, California in 1976 and 1978.

Characteristics	1976		1978	
	Klasic	Probred	Klasic	Probred
Wheat Protein	12.9	13.6	12.8	13.4
Milling Ext. %	68.6 G-	67.2 F	71.0 G	69.9 G-
Farinograph				
Absorption	58.6	61.5	62.4	62.5
Peak	11.2	6.0	12.5	8.0
Stability	25.5	12.5	24.5	16.0
MTI	25	20	10	20
Valorimeter	84	66	86	72
Flour				
Ash	.34	.36	.40	.37
Protein	11.8	12.4	11.8	12.2
Bake				
Absorption	62.0 G-	63.5 G	65.0 G	65.5 G+
Mix	4.8 VG	3.5 G	4.8 VG	3.8 G
Dough	6 G	6 G	6 G	6 G
Loaf Vol. cc	1000 VG	965 G	925 G	990 VG-
Score	32 G	29 G-	29 G-	30 G
Overall Score	62 G	55 G-	61 G-	60 G-